

WORK ORDER 2011-41

Date opened: 17 October 2011

Project: Quick Release Cargo Basket Assembly XL PROTOTYPE  
Type: Eurocopter AS350/355 Series

Batch Quantity: 1 Complete Basket Assembly (94010-01)  
1 with Lid Step (70405)  
1 Auxiliary Latch Mod (70403)

Approval: SH08-18  
Drawing List: DCL784-3

Fabrication and Assembly Drawing(s)	Description
94010, Rev. 0	Basket Ass'y
94011, Rev. 0	Basket Body Ass'y
94012, Rev. 0	Basket Lid Ass'y
84255, Rev. 1	Handle Installation
84261, Rev. 1	Handle Bar Ass'y
84262, Rev. 1	Handle Bracket Ass'y
70405, Rev. 3	Lid Step Modification
70403, Rev. 4	Auxiliary Latch Modification

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

Project is on Approval Limitation Record:	Y ✓
Document Control List revision level matches (or exceeds) STC:	Y ✓
Drawings revision levels match Document Control List:	Y ✓
Purchase order or Work order source is recorded for each part/ass'y:	Y ✓
Tests and inspections specifically called out on drawings are complete:	Y ✓
Release tags associated with all fabricated parts are attached:	Y ✓
All mounting hardware and supplies are included:	Y ✓

List all non-conformities raised: \_\_\_\_\_

Welder Signature: \_\_\_\_\_

Date: \_\_\_\_\_

  
Inspector Signature: \_\_\_\_\_

Date: \_\_\_\_\_

23 Nov 2011

Drawing: **94010** Revision 0  
 Assembly: **94010-01** Cargo Basket Ass'y (Quick-Release)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	94010-01	Cargo Basket Assembly			
. 1	94011-01	Basket Body Assembly	Below		
. 1	94012-01	Basket Lid Assembly	Below		
. 1	84255-01	Handle Bar Installation	Below		
. 1	36280-01	Brace Assembly	9-2081 Brace	11078	
. 1	MS20001P4	Piano Hinge		11014	
. 1	94027-01	Placard	0.063 Sheet, 6061-T6 Aluminum	11102	
. 4	49205-14	Bumper	Argus Industries Bumper	11010	
. A/R	CR3213-5-02	Cherry Rivet		10089	
. 8	CR3523-5-02	Cherry Rivet		11061	
. 4	CR3213-4-02	Cherry Rivet		10089	
. 4	40088-14	Fitting	Ancra	11012	
. 8	AN960-616	Washer		11077	
. 1	AN3-15A	Bolt		11077	
. 1	AN3-17A	Bolt		11077	
. 4	AN960-10	Washer		11088	
. 2	AN970-3	Washer		11052	
. 2	MS21044N3	Nut		11088	

Processes	Per	Mat'ls Used	Inspection	Signature
Riveting	AC43.13-1B	CR Rivets		
Final Inspection	Drawing 94010			

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: **94011**      **Revision 2**  
 Assembly: **94011-01**      **Basket Body Ass'y (Quick-Release)**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	94001-01	Basket Body Assembly			
. A/R	--	Tube	4130 Steel, 3/4" x 0.035 Sqr. Tube	11092	
. A/R	--	Tube	4130 Steel, 1/2" x 0.035 Sqr. Tube	11107	
. 4	94030-01	Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube	11107	
. 2	94023-01	Attachment Hoop			
. . 1	--	Tube	4130 Steel, 1/2" x 0.035 Sqr. Tube	11107	
. . 1	--	Tube	4130 Steel, 1.0" x 0.065 Sqr. Tube	11049	
. . 1	94023-05	Stud	1018 Mild Steel, 5/8" Dia.	10087	
. . 1	94023-07	Stud	1018 Mild Steel, 5/8" Dia.	10087	
. . 1	76423-04	Cap	1018 Mild Steel, 0.050" Sheet	9010	
. 1	84262-01	Handle Bracket Assembly	Below		
. 1	49215-01	Spacer	1018 Steel, 1/2" Rod	7007	
. A/R	3/4-16F	Mesh	Expanded carbon steel	10112	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Powder Coat	Drawing 94011			
Final Inspection	Drawing 94011			

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Drawing: **94012**      **Revision 0**  
Assembly: **94012-01**      **Basket Lid Ass'y (Quick-Release)**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	94012-01	Basket Lid Assembly			
. A/R		Tube	4130 Steel, 3/4" x 0.035 Sqr. Tube	11092	
. 1	49216-01	Spacer	1018 Steel, 1/2" Rod	7007	
. 1	84262-01	Upper Handle Bracket Assembly	Below		
. 1	36204-10	Placard Bracket	1018 Steel, 0.035" Sheet	9010	
. A/R	3/4-16F	Mesh	Expanded carbon steel	10112	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Powder Coat	Drawing 94012			
Final Inspection	Drawing 94012			

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Drawing: **84255**      **Revision 1**  
Assembly: **84255-01**      **Handle Installation**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	84255-01	Handle Installation			
. 1	84261-01	Handle Bar Assembly	Below		
. 2	84267-01	Bracket	Delrin, 3/4" Sheet	WO2011-20	
. 2	36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	11041	
. 2	36275-01	Bushing	SAE 660 Bronze, 5/16" Dia	11030	
. 2	AN3-12A	Bolt		11077	
. 4	AN3-11A	Bolt		11052	
. 12	AN960-10	Washer		11088	
. 6	MS21044N3	Nut		11088	

Processes	Per	Mat'ls Used	Inspection	Signature
Final Inspection	Drawing 84255			

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Drawing: **84261**      **Revision 1**  
Assembly: **84261-01**      **Handle Bar Assembly**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	84261-01	Handle Bar Assembly			
. 1	36277-01	Handle Bar	316 Stainless, 1.0 x 0.065 Rnd. Tube	11057	
. 2	84265-01	Lever	304 Stainless, 0.105 Sheet	10036	
. 2	36274-01	Bushing	304 Stainless, 7/16" x 0.065 Rnd. Tube	11057	
. 2	MS20615-4M3	Rivet		7039	


Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 84261		<i>gc</i>	

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Drawing: 84262 Revision 1  
Assembly: 84262-01 Handle Bracket Assembly

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
1 Total	84261-01	Handle Bracket Assembly			
. 4	84272-01	Bushing	4130 Steel, 5/16" x 0.058 Sqr. tube	11049	
. 4	36273-01	Lid Bracket	321 Stainless, 0.050 Sheet	10037	
. 2	36275-02	Support	304 Stainless, 5/16" Rod	11093	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 84262			

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Drawing: 70405 Revision 3  
Assembly: 70405-01 Lid Step Modification

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
10 Total	70405-01	Lid Step Modification			
. 10	70405-03	Tube	4130 Steel, 1/2" x 0.035 Sqr. Tube	11092	
. 1	70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	11055	
. A/R	CR3213-4-2	Cherry Rivet			

Note: Step is installed on all bays of lid.

Note: Remainder of assembly listed on drawing ~~78412~~  
94012

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Final Inspection	Drawing 70405			

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Drawing: **70403**      **Revision 4**  
 Assembly: **70403-01**      **Auxiliary Latch Modification**

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
2 Total	70403-01	Auxiliary Latch Modification			
2	60650-04	Tab	4130 Steel, 0.050" Sheet	3021	
2	60650-05	Insert	1018 Mild Steel, 3/8" Rod	8011	
1	60650-06	Bushing	Brass, 0.25" Rod	11108	
1	0115-306	Latch Cord	Arctic Cat	11119	
1	0115-307	Latch Cup	Arctic Cat	11119	
1	AN3-10A	Bolt		9067	
2	AN960-10	Washer		11114	
1	MS21044N3	Nut		11088	
2		#8-32 Stainless Steel Screw		commercial	

Note: Installation is applied to both ends of basket

Note: Remainder of assembly listed on drawing 94011 and 94012

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod <sup>EX705-2</sup> ER308L		
Final Inspection	Drawing 70403			

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1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No.
4. Organization Name and Address <b>AERO Design Ltd. – 2013 39<sup>th</sup> Avenue NE, Calgary, Alberta, T2E 6R7</b>					5. Work Order/Contract/Invoice <b>WO2011-41</b>
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	<b>Cargo Basket</b>	<b>94010-01</b>	<b>1</b>	<b>94001-01</b>	<b>New</b>
12. Remarks <b>Modified with walkway on lid IAW DCL704</b>					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature <i>Jeff Clarke</i>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke</b>		13e. Date (dd/mmm/yyyy) <b>23 Nov 2011</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<b>Installer Responsibilities</b>					
This certificate does not constitute authority to install.					
Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.					
Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

COLDSTREAM